

I claim:

1.

An ultrasonic revascularizer for creating holes or openings in the heart to revascularize infarcted or blocked areas to create collateral blood flow to the damaged area of the heart , comprising:

an elongated handle having first and second ends;

an elongated tubular neck having proximal and distal ends;

said proximal end of said neck being secured to said handle at said first end thereof and extending therefrom;

an enlarged depth guard at said distal end of said neck;

an ultrasonic needle selectively longitudinally movably extending from said neck and said depth guard;

a manual control movably mounted on said handle which is operatively connected to said needle for controlling the longitudinal movement of said needle with respect to said depth guard;

a depth gauge on said handle which indicates the longitudinal position of said needle with respect to said depth guard;

said needle being operatively connected to a source of ultrasonic power for ultrasonically driving said needle.

2.

The revascularizer of claim 1 wherein said neck is flexible.

3.

1 The revascularizer of claim 1 wherein said manual control comprises a slide button
slidably movably mounted on said handle.

4.

5 The revascularizer of claim 1 wherein said depth guard comprises a flat, disc-
shaped member positioned on said distal end of said neck.

5.

10 The revascularizer of claim 3 wherein said depth gauge comprises indicia marks
positioned on said handle adjacent said slide button.

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